

What is claimed is:

1. A coin stacking apparatus comprising:

a coin passage for guiding a plurality of coins in a row in a direction of diameter of the coins;

a conveying mechanism for conveying the coins along said coin passage;

a coin stacking section provided so as to correspond to the end portion of said coin passage, for stacking the coins that have been conveyed by said conveying mechanism, in a row in a direction of thickness of the coins; and

a coin feeding member for sequentially stacking the conveyed coins that have been conveyed to an end portion of said coin passage, in said stacking section, said feeding member has a contact portion protruding in said stacking section so as to correspond to said end portion of said coin passage,

wherein said contact portion of said feeding member rotates while contacting the conveyed coin, to cause the coin to get over from an upstream side to a downstream side of said contact portion with respect to a direction of rotation thereof, to displace a trailing edge of the coin in the stacking direction so that a leading edge of a subsequently conveyed coin is capable of entering between the previously conveyed coin and said contact portion,

a stopping member having a stop surface contacting a leading edge of the coin that has got over said contact portion is provided on a downstream side of said contact portion with respect to the direction of rotation thereof, and

a distance between an axis of rotation of said contact portion of said feeding member and said stop surface of said stopping member is adjustable in accordance with diameter of the coins.

2. The coin stacking apparatus as set forth in claim 1, wherein a position of said feeding member with respect to said

coin passage is adjustable in accordance with the diameter of the coins.

3. The coin stacking apparatus as set forth in claim 1, wherein said stacking section is configured to stack the coins substantially vertically upwards, and

said coin stacking apparatus further comprises a coin presser mechanism for always downwardly pressing an upper surface of an uppermost coin stacked in said stacking section by dead weight.

4. The coin stacking apparatus as set forth in claim 3, wherein said presser mechanism has a presser member movable in a coin stacking direction while contacting the upper surface of the uppermost coin, and a weight member connected to said presser member via an elastic member.

5. The coin stacking apparatus as set forth in claim 1, wherein said feeding member has a cylindrical rotating friction surface as said contact portion.

6. The coin stacking apparatus as set forth in claim 1, wherein said feeding member is a toothed roller having a plurality of circumferentially arranged tooth portions as said contact portion, each of said tooth portions including:

a push surface being pressed by the leading edge of the conveyed coin; and

a lifting surface lifting the trailing edge of the coin fed in said stacking section.

7. A coin stacking apparatus comprising:

a coin passage for guiding a plurality of coins in a row in a direction of diameter of the coins;

a conveying mechanism for conveying the coins along said coin passage;

a coin stacking section provided so as to correspond to

the end portion of said coin passage, for stacking the coins that have been conveyed by said conveying mechanism, in a row in a direction of thickness of the coins; and

a coin feeding member for sequentially stacking the conveyed coins that have been conveyed to an end portion of said coin passage, in said stacking section, said feeding member has a contact portion protruding in said stacking section so as to correspond to said end portion of said coin passage,

wherein said contact portion of said feeding member rotates while contacting the conveyed coin, to cause the coin to get over from an upstream side to a downstream side of said contact portion with respect to a direction of rotation thereof, to displace a trailing edge of the coin in the stacking direction so that a leading edge of a subsequently conveyed coin is capable of entering between the previously conveyed coin and said contact portion,

said stacking section is configured to stack the coins substantially vertically upwards, and

said coin stacking apparatus further comprises a coin presser mechanism for always downwardly pressing an upper surface of an uppermost coin stacked in said stacking section by dead weight.

8. The coin stacking apparatus as set forth in claim 7, wherein said presser mechanism has a presser member movable in a coin stacking direction while contacting the upper surface of the uppermost coin, and a weight member connected to said presser member via an elastic member.

9. The coin stacking apparatus as set forth in claim 7, wherein a position of said feeding member with respect to said coin passage is adjustable in accordance with diameter of the coins.

10. The coin stacking apparatus as set forth in claim 7,

wherein said feeding member has a cylindrical rotating friction surface as said contact portion.

11. The coin stacking apparatus as set forth in claim 7, wherein said feeding member is a toothed roller having a plurality of circumferentially arranged tooth portions as said contact portion, each of said tooth portions including:

a push surface being pressed by the leading edge of the conveyed coin; and

a lifting surface lifting the trailing edge of the coin fed in said stacking section.